

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### ZENITH SAFEDOSE SA51 CLEANER DEGREASER CONCENTRATE (030870)

Revision 11

Revision date 2015-02-03

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	ZENITH SAFEDOSE SA51 CLEANER DEGREASER CONCENTRATE (030870)
Product code	RED

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
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##### 1.3. Details of the supplier of the safety data sheet

Company	Zenith Hygiene Group plc
Address	A1M Business Centre Dixons Hill Road Welham Green Herts AL9 7JE United Kingdom
Web	www.zhgplc.com
Telephone	01707 270260
Email	helpdesk@zhgplc.com

##### 1.4. Emergency telephone number


Emergency telephone number	028 9267 3331
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#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	Xi; R38-41 Symbols: Xi: Irritant.
Main hazards	Irritating to skin. Risk of serious damage to eyes.
2.1.2. Classification - EC 1272/2008	Skin Corr. 1A: H314;

##### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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## 2.2. Label elements

<b>Precautionary Statement:</b> <b>Disposal</b>	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor/ . P363 - Wash contaminated clothing before reuse.
	P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

## Further information

	Contains: 2-aminoethanol.
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## SECTION 3: Composition/information on ingredients

## 3.1. Substances

## 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl) 2-Aminoethanol		8051-30-7	931-329-6	01-2119490100-53	1 - 10% Xi; R38-41		
		141-43-5	205-483-3	01-2119486455-28	1 - 10% C; R34 Xn; R20/21/22 Xi; R37 R52/53		
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		68439-57-6	270-407-8	01-2119513401-57	1 - 10% Xi; R38-41		
tetrasodium (1-hydroxyethylidene)bisphosphonate		3794-83-0	223-267-7	01-2119647955-23	1 - 10% Xi; R36/38		

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl) 2-Aminoethanol		8051-30-7	931-329-6	01-2119490100-53		Skin Irrit. 2: H315; Eye Dam. 1: H318;	
		141-43-5	205-483-3	01-2119486455-28		Acute Tox. 4: H302+H312+H332; Skin Corr. 1B: H314; STOT SE 3: H335;	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		68439-57-6	270-407-8	01-2119513401-57		Skin Irrit. 2: H315; Eye Dam. 1: H318;	
Di Methoxy Propanol ((2-methoxymethylethoxy) propanol)		34590-94-8	252-104-2	01-2119450011-60			
tetrasodium (1-hydroxyethylidene)bisphosphonate		3794-83-0	223-267-7	01-2119647955-23		Skin Irrit. 2: H315; Eye Irrit. 2: H319;	
Lemon 331918							
5-Chloro-2-methyl-4-isothiazolin-3-one, 2-Methyl-2H-isothiazol-3-one		26172-55-4				Acute Tox. 3: H301; Acute Tox. 3: H311; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 1: H410;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Causes burns. Causes severe inflammation and may damage the cornea. Wash with water. Seek medical attention.
<b>Skin contact</b>	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek

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## 4.1. Description of first aid measures

	medical advice immediately and show this container or label.
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## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Irritant, severe respiratory.
Eye contact	Causes severe burns.
Skin contact	Causes severe burns.
Ingestion	Causes severe burns.

## 4.3. Indication of any immediate medical attention and special treatment needed

	No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.
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## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
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## 5.2. Special hazards arising from the substance or mixture

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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## 6.4. Reference to other sections

	For personal protective equipment see subsection 8.2. For disposal considerations see section 13.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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## 7.3. Specific end use(s)

	No specific advice for end use available.
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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

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## 8.1.1. Exposure Limit Values

2-Aminoethanol	WEL 8-hr limit ppm: 1	WEL 8-hr limit mg/m3: 2.5
	WEL 15 min limit ppm: 3	WEL 15 min limit mg/m3: 7.6
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

## 8.2. Exposure controls

<b>8.2.1. Appropriate engineering controls</b> <b>8.2.2. Individual protection measures</b> <b>Eye / face protection</b> <b>Skin protection - Handprotection</b> <b>Respiratory protection</b>	 
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. Avoid contact with skin and eyes. Wash hands after handling the product.
	Ensure adequate ventilation of the working area.
	Wear chemical protective clothing.
	Safety glasses.
	Chemical resistant gloves (PVC).
	Not normally required. Do not breathe gas/fumes/vapour/spray.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Yellow
<b>Odour</b>	Characteristic
<b>pH</b>	> 11.5
<b>Melting point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Viscosity</b>	No data available
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Specific gravity</b>	1.02 g/cm <sup>3</sup>

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No reactivity hazards known under normal storage and use conditions.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	No other adverse effects known.
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## 10.4. Conditions to avoid

Avoid contact with: Acids.

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level.

## 11.1.4. Toxicological Information

2-Aminoethanol	Inhalation Rat LC50/1.3 mg/l h: 6 Oral Rat LD50: 1515 mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)	Inhalation Rat LC50/15min: NDA  Oral Rat LD50: 5000mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: >2000mg/kg  Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Inhalation Rat LC50/>52 h: 4  Oral Rat LD50: NDA Dermal Rabbit LD50: 6300 to 13500 mg/kg	Dermal Rat LD50: NDA  Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA
tetrasodium (1-hydroxyethylidene)bisphosphonate	Inhalation Rat LC50/15min: NDA  Oral Rat LD50: NDA Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA  Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA

## SECTION 12: Ecological information

## 12.1. Toxicity

2-Aminoethanol	Daphnia EC50/48h: 65.0000 mg/l Fish LC50/96h: 170 mg/l	Algae EC50/72h: 22 mg/l
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)	Fish LC50/96h: 10.0000 mg/l  Daphnia LC50/48h: 10	Green algae EC50/96h: 10
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Daphnia EC50/48h: 4.5300 mg/l  Algae EC50/72h: 5.2 mg/l	Fish LC50/96h: 4.2000 mg/l
tetrasodium (1-hydroxyethylidene)bisphosphonate	Algae EC50/72h: NDA  Guppy LC50/96h: NDA	Daphnia LC50/48h: NDA

## 12.2. Persistence and degradability

No data is available on this product.

## 12.3. Bioaccumulative potential

No data is available on this product.

## Partition coefficient

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## Partition coefficient

ZENITH SAFEDOSE SA51 No data available  
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## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

## 12.6. Other adverse effects

No other adverse effects known.

## SECTION 13: Disposal considerations

## General information

Dispose of in compliance with all local and national regulations.

## Disposal of packaging

Dispose of in compliance with all local and national regulations.  
Empty containers can be cleaned with water.

## Further information

European Waste Catalogue: 20 01 15 alkalines.

## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

UN2491

## 14.2. UN proper shipping name

ETHANOLAMINE, SOLUTION

## 14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

## 14.4. Packing group

Packing group III

## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	80
Tunnel Category	(E)

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IMDG	
EmS Code	F-A S-B

IATA	
Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

	Ingredients according to EC Detergent regulations shown in section 16 if applicable.
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**15.2. Chemical safety assessment**

	A chemical safety assessment has not been carried out on the mixture.
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Further information	
	Classified as H314 due to pH of concentrated product being >11.5.

**SECTION 16: Other information**

Other information	
Revision	This document differs from the previous version in the following areas: 2 - Further information. 15 - Further information.
Acronyms	LC: Lethal concentration. LD: Lethal dose. NDA - No data available. NOAEC: No observed adverse effect concentration. NOAEL: No observed adverse effect level. NOEC: No observed effect concentration. NOEL: No observed effect level. PBT: Persistent, bioaccumulative and toxic. SVHC. Substance of very high concern. vPvB. Very persistent and very bioaccumulative. *R01 - Polymer REACH number not available.
Text of risk phrases in Section 3	R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R34 - Causes burns. R36/38 - Irritating to eyes and skin. R37 - Irritating to respiratory system. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 3: H301 - Toxic if swallowed. Acute Tox. 3: H311 - Toxic in contact with skin. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Labelling for contents	non-ionic surfactants 5% - < 15% anionic surfactants 0% - < 5%

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## Other information

phosphonates 0% - < 5%  
Perfumes 0% - < 5%  
preservation agents 0% - < 5%

## Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.